# INTHEUNITEDSTATESDISTRICTCOURT FORTHEEASTERNDISTRICTOFPENNSYLVANIA

SMITHKLINEBEECHAM : CIVILACTION

CONSUMERHEALTHCARE,L.P.

.

v.

:

COLGATE-PALMOLIVECO. : NO.99-2533

### MEMORANDUM

Giles, C.J. December ,1999

ThisisapatentinfringementcaseinwhichSmithklineBeechamConsumer Healthcare, L.P. ("Smithkline") seekstoen joinColgate-PalmoliveCo. ("Colgate") from marketing approduct which Smithkline contends in fringe son its patent, U.S. Patent No. 5,651,158 (the "158 patent" or "the patent"). Juris diction is invoked pursuant to 28 U.S.C. § 1338(a).

Be fore the court is Colgate's Motion for Partial Summary Judgment of Non-Infringement. For the reasons which follow, Colgate's motion is granted.

## **BACKGROUND**

#### **MaterialFacts**

InearlyJuneof1999,SmithklinemovedtoenjoinColgatefrommarketingits
NAVIGATOR<sup>TM</sup>toothbrush,whichSmithklinecontendedinfringedits'158patentcovering
certainflex-tiptoothbrushes.RespondingtoSmithkline'srequestforinjunctiverelief,Colgate
movedforpartialsummaryjudgmentofnon-infringementpursuanttoRule56oftheFederal
RulesofCivilProcedure.ByOrderofJune16,1999,Smithkline'smotionforatemporary

restrainingorderwasdeniedafterhearing.

#### **DISCUSSION**

## **SummaryJudgmentStandard**

Summaryjudgmentisproperwhenthe"pleadings, depositions, answers to interrogatories, and admissions on file, together with the affidavits, if any, show that there is no genuineissueastoanymaterialfactandthatthemovingpartyisentitledtoajudgmentasa matteroflaw."Fed.R.Civ.P.56(c).Afactismaterialifitmightaffecttheoutcomeofthesuit undergoverningsubstantivelaw. See Andersonv.LibertyLobby,Inc. ,477U.S.242,248 (1986).Inaddition,adisputeaboutmaterial facts must be "genuine" such that are a sonable jury couldreturnaverdictforthenonmovingparty. Id. Themoving party has the initial burden of comingforwardwithproofoftheabsenceofagenuineissueofmaterialfact; however, if the nonmovingpartyfailstoproducesufficientevidencewithrespecttoanessentialelementofits claimandforwhichitwillbeartheburdenofproofattrial, then the moving party is entitled to summaryjudgment. See CelotexCorp.v.Catrett ,477U.S.317,322-23(1986).Oncethe movingpartyhasmetitsburden,thenonmovingpartymustcomeforwardwithspecificfacts contradictingthosesetforthbythemovingparty,therebyshowingthatthereisagenuineissue fortrial. See MatsushitaElec.Indus.Co.v.ZenithRadioCorp. ,475U.S.574,586-87(1986). Althoughthecourtconsidersthenonmovant's evidence as true and draws all reasonable inferencesinthenonmovant's favor, see Anderson, 477U.S. at 255, the nonmovant "must do morethansimplyshowthatthereissomemetaphysicaldoubtastothematerial facts." Matsushita,475U.S.at586.

### **Analysis**

Apatentinfringementanalysisconsistsoftwosteps:(1)determiningthemeaning andscopeofthepatentclaimsassertedtobeinfringedand(2)comparingtheproperlyconstrued claimstothedeviceaccusedofinfringing. <a href="Markmanv.WestviewInstruments,Inc.">Markmanv.WestviewInstruments,Inc.</a>,52F.3d 967,976(Fed.Cir.1995), <a href="mailto:aff'd517U.S.370(1996)">aff'd517U.S.370(1996)</a>. The first step of the patentanalysis is commonly known as "claim construction" or "claim interpretation." <a href="mailto:Markman,52F.3dat976">Markman,52F.3dat976</a>.

"[T]heSupremeCourthasrepeatedlyheldthattheconstructionofapatentclaim isamatteroflawexclusivelyforthecourt." Id.at977. "Thereasonthatthecourtsconstrue patentclaimsasamatteroflawisstraightforward: Ithaslongbeenandcontinuestobea fundamentalprincipleofAmericanlawthat 'theconstructionofawrittenevidenceisexclusively withthecourt." Id.at978(quoting Levyv.Gadsby\_,7U.S.(3Cranch)180,186(1805)

(Marshall,C.J.)). Thepatentisafullyintegratedwritteninstrumentthat, bystatute, mustprovide awrittendescriptionoftheinventionthatwillenableoneofordinaryskillinthearttomakeand useit. Markman,52F.3dat978. Itfollows, therefore, from the general rule applicable to writteninstruments that apatentis uniquely suited for having its meaning and scope determined entirely by acourt as a matter of law. Id.

Toperformclaiminterpretation, acourtshould consider: (i) the specification, the written description of the invention that enables one of ordinary skill in the art to make and use the invention; (ii) the patent's prosecution history, i.e., the "undisputed public record" of proceedings in the Patentand Trademark Office, which is of primary significance in understanding the claims; and (iii) any extrinsice vidence, including expertand inventor testimony, dictionaries, and learned treatises, provided, that such evidence may not be used to

i.e.,

varyorcontradicttheplainmeaningofthetermsoftheclaims. <u>Id.</u>at979-81.Finally,wherethe determinationofpatentinfringementturnssolelyonthelegalquestionoftheproperconstruction oftheclaims,summaryjudgmentisappropriate. <u>MantechEnvtl.Corp.v.HudsonEnvtl.Serv.</u>, Inc.,152F.3d1368,1371(Fed.Cir.1998).

#### *LiteralInfringement*

Toestablishliteralinfringementofapatent,thepatentownermustdemonstrate thattheaccuseddevicecontainseverylimitationintheassertedclaims. ElkayMfg.Co.v.

EBCOMfg.Co.\_,192F.3d973,980(Fed.Cir.1999).Ifevenonelimitationismissingornot metasclaimed,thereisnoliteralinfringement. WMSGaming,Inc.v.InternationalGame

Technology,184F.3d1339,1350(Fed.Cir.1999).Inaddition,ifanaccuseddeviceisfoundnot toinfringeanindependentclaimofthepatenteddevice,itmustalsobefoundnottoinfringeany claimdependentontheindependentclaim. See WahpetonCanvasCo.v.Frontier,Inc.\_\_,870F.2d 1546,1552n.9(Fed.Cir.1989)("Onewhodoesnotinfringeanindependentclaimcannot infringeonaclaimdependenton(andthuscontainingallthelimitationsof)thatclaim.").

Finally,summaryjudgmentofnoliteralinfringementofapatentisentirelyappropriateifno reasonablefactfindercoulddeterminethattheaccuseddevicemeetseverylimitationofthe properlyconstruedclaims. ElkayMfg.Co.\_,192F.3dat980.

Inthepresentcase, the limitation of claim 1, and the dependent claim 3, require that "the opposite face of the [tooth brush's] head hav [e] at least one groove formed therein." (U.S. Patent #5,651,158 Abstract at col. 1 ln. 63-64). In simpler terms, the limitation is that the side of the tooth brush head opposite the bristle-bearing face must have a groove. Smith kline

contends that because the Colgate NAVIGATOR  $^{TM}$  "retains two semicircular cut-out sat the edges of [its bristle-side] groove that allow [s] th [at] groove to be filled [with an] elastomer," the NAVIGATOR  $^{TM}$  groove is "formed' at least in part in the non-bristle side of the brush" and, therefore, literally infringes the '158 patent. (Smithkline Opp'n Br. to Colgate Mot. for Summ. J. of Non-Infringement, at 38.)

TherearetworeasonswhySmithkline's argumentfails. First, the '158 patent specifically and unambiguously gives Smithkline the patent right over too thbrushes whose "opposite face" has "at least one groove formed therein." (U.S. Patent #5,651,158 Abstract at col. 1ln.63-64). The plain meaning of the term "groove" is a "long narrow channel or depression." Webster's Ninth New Collegiate Dictionary 538 (1988). Moreover, the deposition test imony of the Smithkline patent attorney, Dr. Walker, who drafted the '158 patent confirms that the nomenclature "groove" refers to a "[s] paceoragap" with abottom that does not penetrate both faces of the brush's head. (Walker Dep. at 176-77.) Suchachannel or depression is not present on the "opposite face" of the NAVIGATOR TM product. The Colgate tooth brush has two furrows which could qualify as "grooves." However, the sechannels are conspicuously on the same side of the head as the bristles.

Second, aplain reading of the '158 patent limitation of an "opposite face" groove "formed therein," necessarily requires that such a groove must be "in" the specified face. So, a "groove" that is, as Smithkline argues, "formed" during the manufacturing process but that is distinctly absent in the final production to a "groove formed" under the unambiguous language of the '158 patent. The proposed Smithkline construction is completely inconsistent with the plainly expressed limitation of the patent. Such are ading would emphasize the

"formed"languageofthepatentandwronglyimplythatSmithklinehadpatentedatoothbrush grooveproductionprocess.Instead,thelimitationofthe '158properlyfocusesonthefinished product's groovelocation--"oppositeface"--andgroovecharacteristics--"formedtherein." Because the "oppositeface" claimlimitation is not present in the NAVIGATOR TM, there is no literal infringement of the '158 patent. Accordingly, summary judgment is granted in favor of Colgateon Smithkline's literal infringement claim.

# <u>InfringementundertheDoctrineofEquivalents</u>

Wheretheaccuseddevicedoesnotliterallyinfringeaclaim,therestillmaybe infringementunderthe "doctrineofequivalents." BectonDickinson&Co.v.C.R.BardInc. ,

922F.2d792,797(Fed.Cir.1990).Anaccusedproductmayinfringeaclaim "ifitperforms substantiallythesamefunctioninsubstantiallythesamewaytoobtainthesameresult." Graver Tank&Mfg.Co.Inc.v.LindeAirProd.Co. ,339U.S.605,608(1950).Thedoctrineof equivalents "hasbeen 'judiciallydevisedtodoequity' insituationswherethereisnoliteral infringementbutliabilityisneverthelessappropriatetopreventwhatisinessenceapiratingof thepatentee' sinvention." LoctiteCorp.v.UltrasealLtd. ,781F.2d861,870(Fed.Cir.1985). "Thus, whereaninfringer, insteadofinventingaroundapatentbymakingasubstantialchange, merelymakesaninsubstantialchange, essentiallymisappropriatingoreven 'stealing' the patentedinvention, infringementmaylieunderthedoctrineofequivalents." Londonv.Carson Pirie&Scott ,946F.2d1534,1538(Fed.Cir.1991).

Aswithliteralinfringement,infringementbyequivalentsmustbeappliedonan element-by-elementbasis. See PennwaltCorp.v.Durand-Wayland,Inc. ,833F.2d931,935

(Fed.Cir.1987), cert. denied, 485U.S. 961 (1988). "Only if all limitations of the claimare satisfiedatleastequivalentlycanitbefoundthatthetwodevicesworkinsubstantiallythesame way." Becton,922F.2dat798.Courtsmustbecarefulnottoapplythedoctrineinsucha mannerthatitservestobroadenalimitationwherebytheeffectistoeliminatethatelementinits entiretyandgivethepatenteemoreprotectionthanitshouldbeafforded. Warner-JenkinsonCo.. Inc.v.HiltonDavisChem.Co. ,520U.S.17,29(1997).Further,"[a]rgumentsandamendments madetosecureallowanceofaclaim, especially those distinguishing prior art... giverise to prosecutionhistoryestoppel." WangLab., Inc. v. Mitsubishi Elecs. ,103F.3d1571,1578 (Fed. Cir.1997)(citationomitted). Specifically, "[p]rosecution history estoppel prevents operation of thedoctrineofequivalentsfromexpandingaclaimlimitationtoincludesubjectmatter surrenderedduringthepatent'sprosecution." ElkayMfg.Co. ,192F.3dat980.Finally, summaryjudgmentofnoinfringementunderthedoctrineofequivalentsisappropriateifno reasonablefactfindercoulddeterminethataclaimlimitationismetintheaccuseddevicebya substantialequivalent. Id.at981.

SmithklineclaimsthateveniftheNAVIGATOR<sup>TM</sup>doesnotinfringeliterally, thereisagenuineissueoffactastowhethertheColgateproductinfringesonthe'158patent underthedoctrineofequivalentsbecauseitperformsthesamefunctioninsubstantiallythesame waytoachievethesubstantiallysameresult.(SmithklineOpp'nBr.toColgateMot.forSumm.

J.ofNon-Infringement,at9.)Therefore,itargues,summaryjudgmentisunwarranted.( Id.)

Colgatecountersthatthegrooveplacement, *i.e.*,whetherthegrooveislocatedonthebristleface orthenon-bristleface,necessarilyforcesthetwobrushestoflexinoppositedirectionsand,as such,theycannotbesaidtoperforminthe"sameway."(ColgateMot.forSumm.J.ofNon-

Infringement,at45-47)Inopposition,SmithklineassertsthatColgate'sgrooveplacementis merelyaninsubstantialchangeintheSmithklinedesignandessentiallyamisappropriationofits patentedinvention.(SmithklineOpp'nBr.toColgateMot.forSumm.J.ofNon-Infringement,at 9.)Indeed,Smithklineaversthatitspatentanticipates"flexure"inbothdirectionsinorderto accomplishthe "result" of the brush "accommodat[ing]itselftothed ifferent profiles of the different users' teeth," and that to denyacla imofin fringement based on the brushes' varying "hingegeometry" would be manifestly unjust. (SmithklineOpp'nBr.toColgateMot.forSumm. J.ofNon-Infringement, at 10.)

Aspreviouslynoted, the doctrine of equivalents may not be used to broad en a patente lement to the point that an express limitation is eliminated. Warner-Jenkinson, 520 U.S. at 29. Here, Smithkline is effectively asking the court to eliminate the "opposite face groove" limitation by adopting its position that a "groove" one ither side of the tooth brush head compels the conclusion that the two brushes must be have in substantially the same way in order to achieve substantially similar results.

However, the operative definition for purposes of equivalency analysis, i.e., does the accused product function in substantially the same way to achieve a similar result, must be determined in the context of the language of the patent, the prosecution history, and the prior art. Graver Tank \_,339 U.S. at 609 (emphasis added). Smithkline's "theory of equivalence would entirely vitiate a particular claim element" of the patent. See Warner-Jenkinson, 520 U.S. at 39 n.8 (discussing propriety of summary judgment in patent case where the ory of equivalence would eliminate claim element).

 $Indeed, the proffered construction is contrary to common experience and the {\it construction} is contrary to common experience and the {\it construction} is contrary to common experience and the {\it construction} is contrary to common experience and the {\it construction} is contrary to common experience and the {\it construction} is contrary to common experience and the {\it construction} is contrary to common experience and the {\it construction} is contrary to common experience and the {\it construction} is contrary to common experience and the {\it construction} is contrary to common experience and {\it construction} is contrary to contrary to construct and {\it construction} is constructed and {\it constru$ 

consistent expert testimony from both sides that different groove positions will yield varying flexibility characteristics in the heads of tooth brushes. Mr. Massari, an expert for Smithkline, admitted in his deposition that, "in the absence of other components," "the location of the [groove] ha[s] an effect" on the flex characteristics of the tooth brushhead. (Massari Dep. at 96-97.) Another Smithkline expert, Mr. Sahay, conceded that brushes made from identical materials would flex differently "depend [ing] on [the] construction of the joint." (Sahay Dep. at 95)

Moreover, the vastarray of variant design drawings, and the descriptions thereof, produced in the studio of the Smithkline tooth brush in ventor, Dr. Hans Halm, demonstrate that different groovelocations render different degrees of resiliency in the tooth brush head.

(Kennedy Decl. Ex. 21.) It is also clear from the record that a groove placed on one side of the head will necessarily render a tendency toward concave flexing, while a groove placed on the opposite side will facilitate convex flexing. (Norris Decl., at \$\\$5-12.)

So, evenifthetwotoothbrushes are designed to promote the "substantially same result" and serve the "same function," *i.e.*, promote better contact between the bristles and the surface of the different users' teeth, the antithetical flex characteristics of the two brushheads cannot logically be said to function in "substantially the same way" under the doctrine of equivalents. If Smithkline's broad construction of the claim were adopted, every flex-tip too thorush would in fringe under the doctrine of equivalents because such a brush, by definition, would necessarily perform the same function in the same general way with the same general results regardless of whether its groove was located on the brush's "opposite face" or not.

The prosecution history of the `158 patental soprecludes Smithkline's doctrine of equivalents claim from surviving summary judgment. Courts are forbidden from using the

doctrineofequivalentstoexpandaclaimlimitation"toincludesubjectmatter[thatwas previously]surrenderedduringthepatent'sprosecution." <u>ElkayMfg.Co.</u>,192F.3dat980.That is, "when an applicant narrows a claim element in the face of an examiner's rejection based on the prior art, [that] applicant [isestopped] from later asserting that the claim covers, through the doctrine of equivalents, features that the applicant amended his claim to avoid." <u>Litton Sys., Inc. v. Honeywell, Inc.</u>, 140F.3d1449,1462 (Fed. Cir. 1998). Further, when a patentee adds a limitation for the purpose of enhancing the patent ability of his invention, such actionals ocreates prosecution his tory estoppel. <u>Ekchian v. Home Depot, Inc.</u>, 104F.3d1299,1303-04 (Fed. Cir. 1997). Thus, it does not matter whether the patentee actually had to add a limitation to obtain the patent; it is merely sufficient that he did add one. Id.

Withtheseprinciplesinmind, it becomes clear that Smithkline's conductes to pit now from removing the "opposite face" limitation from the claims. The undisputed record shows that Smithkline initially attempted to secure a broad patent from both the U.S. Patent and Trademark Office ("PTO") and European Patent Office ("EPO") for atooth brush with a bristle-bearing head "form [ed] of two ormore segments flexibly and resiliently linked to each other."

(Kennedy Decl. Ex. 4, at 3) This attempt was rejected by both Office sin light of prior art.

(Kennedy Decl. Ex. 11-12.) The record further shows that Smithkline subsequently chose to narrow it sclaims to cover only tooth brushes with their grooves positioned in the face "opposite" the bristle-bearing face. (Kennedy Decl. Ex. 4, at 1; Kennedy Decl. Ex. 6.) Indeed, Dr. Walker, the Smithkline attorney who actually prepared the amendments, testified in his deposition that the amendments were made, in the European case, "too ver come the rejections made in the international preliminary examination report which... cited [prior] art [that] prejudiced the

patentabilityofthebroadestclaim."(WalkerDep.159.)Moreover,Dr.Walkeradmitsthathe made"virtuallythesameamendment"totheU.S.application"atthesametime"astheEuropean application.( <u>Id.</u>at157&159.)

AlthoughSmithklinecontendsthattheU.S.amendmentsweremadeinresponse torejectiononothergrounds(SmithklineMem.inOpp'ntoMot.ofColgateforSumm.J.of
Non-Infringementat21.),whenapatenteeaddsalimitationforthepurposeofenhancingthe patentabilityofhisinvention,suchactionalsocreatesprosecutionhistoryestoppel. <u>Ekchianv. HomeDepot,Inc.</u>,104F.3d1299,1303-04(Fed.Cir.1997).Thus,itdoesnotmatterwhether
Smithklineactuallyhadtoaddthelimitationtoobtainthepatent;allthatmattersisthatitdidadd one. <u>Id.</u>Thus,havingmadeconcessionsastothescopeofthepatentlimitations,Smithklineis nowestoppedbyprosecutionhistoryprinciplesfromusingthedoctrineofequivalentstoregain whatitpreviouslysurrendered.ThecourtthereforegrantssummaryjudgmentforColgateon
Smithkline'sclaimforinfringementunderthedoctrineofequivalents.

# **CONCLUSION**

The court grants Colgate's motion for partial summary judgment of non-infringement as to Smithkline's claim of literal infringement of the `158 patent as well as its claim of infringement thereof under the doctrine of equivalents.

Anappropriate orderfollows.

IN THE UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF PENNSYLVANIA

SMITHKLINE BEECHAM : CONSUMER HEALTHCARE, L.P. :

.P.

V.

:

COLGATE-PALMOLIVE CO. : CIVIL NO. 99-2533

### ORDER

AND NOW, this \_\_\_\_ day of December, 1999, upon consideration of Defendant's Motion for Partial Summary Judgment of Non-Infringment, and the Plaintiff's responses in opposition, it is hereby ORDERED that Defendant's Motion for Partial Summary Judgment of Non-Infringement is GRANTED. It is further ORDERED that all pending motions are DENIED AS MOOT.

BY THE COURT:

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JAMES T. GILES C.J.

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